

Micro Quick Connect Couplings

Series ESMC single shut-off

DN 2.7



Also in Stainless Steel
Series ESMCE
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- One-hand quick connect couplings with smallest dimensions made of brass MS 58 plain/ nickel-plated
- Suitable for low vacuum at low couple force compared to all other compatible products
- On request, couplings also available with coloured anodised aluminium sleeves
- Can be used in multiple applications in pneumatics, measure, control and regulation technology

Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 plain/ nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- Seals: NBR (other materials on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	2.7	ISO 228 / DIN 13	165 l/min	One-hand	Single shut-off	Air / Others	Europe	10

Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
M 5 m	26	9	10.5	5	9	ESMCN 5 A	ESMC 5 A
G 1/8 m	28	11	10.5	7	12	ESMCN 18 A	ESMC 18 A

Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
M 5 f	26	9	10.5	5	10	ESMCN 5 I	ESMC 5 I
G 1/8 f	28	12	10.5	7	14	ESMCN 18 I	ESMC 18 I

Couplings with hose barb

Hose connection	L	D	L1	Weight	Type No. n. plated	Type No. plain
Hose i.D. 3	35	10.5	13	9	ESMCN 3 T	ESMC 3 T
Hose i.D. 4	35	10.5	13	10	ESMCN 4 T	ESMC 4 T
Hose i.D. 5	35	10.5	13	10	ESMCN 5 T	ESMC 5 T

For hose clips type ZOS (© page 130) or type HS (© page 131)

Couplings with hose squeeze nut

Hose connection	L	SW	D	Weight	Type No. n. plated	Type No. plain
Hose 3x4	33	9	10.5	15	ESMCN 34 TQ	ESMC 34 TQ
Hose 3x5	33	9	10.5	15	ESMCN 3 TQ	ESMC 3 TQ
Hose 4x6	32	9	10.5	15	ESMCN 4 TQ	ESMC 4 TQ

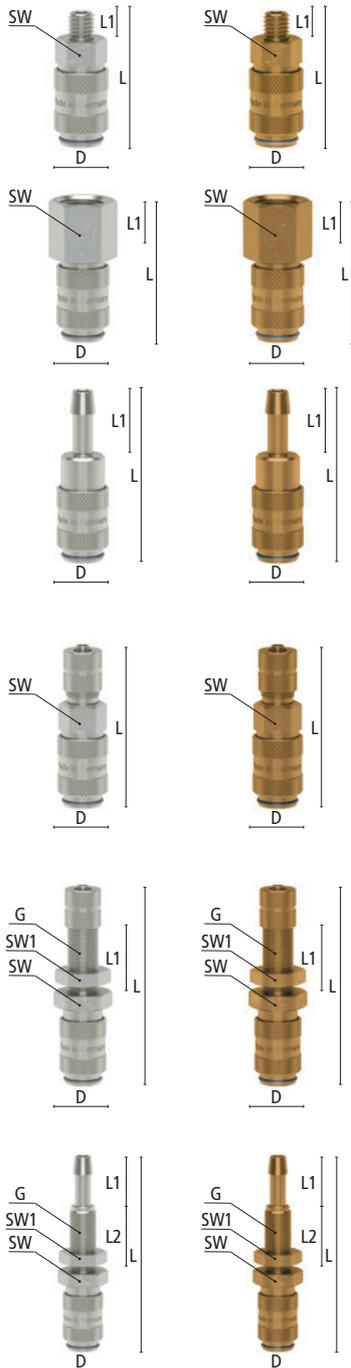
Couplings with hose squeeze nut and bulkhead screwing

Hose connect.	L	SW	D	L1	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose 3x4	45	12	10.5	17	11	M 7x0.5 m	26	ESMCN 34 TQSV	ESMC 34 TQSV
Hose 3x5	45	12	10.5	17	11	M 7x0.5 m	26	ESMCN 35 TQSV	ESMC 35 TQSV
Hose 4x6	45	12	10.5	17	12	M 8x0.5 m	26	ESMCN 4 TQSV	ESMC 4 TQSV

For hose clips type ZOS (© page 130) or type HS (© page 131)

Couplings with hose barb and bulkhead screwing

Hose connect.	L	SW	D	L1	L2	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose i.D. 3	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCN 3 TSV	ESMC 3 TSV
Hose i.D. 4	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCN 4 TSV	ESMC 4 TSV
Hose i.D. 5	51	12	10.5	13	17	12	M 8x0.5 m	24	ESMCN 5 TSV	ESMC 5 TSV

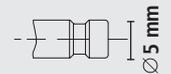


Micro Quick Connect Couplings

single shut-off **Series ESMC**

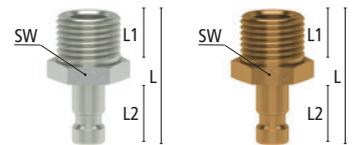
DN 2.7

Plug Profile (original size)



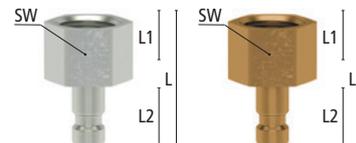
Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No. n. plated	Type No. plain
M 5 m	18	7	5	10	3	ESMCN 5 NA	ESMC 5 NA
G 1/8 m	20	11	7	10	6	ESMCN 18 NA	ESMC 18 NA



Plugs with female thread

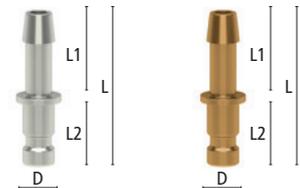
Thread connection	L	SW	L1	L2	Weight	Type No. n. plated	Type No. plain
M 5 f	17	7	5	10	3	ESMCN 5 NI	ESMC 5 NI
G 1/8 f	19	12	7	10	6	ESMCN 18 NI	ESMC 18 NI



Plugs with hose barb

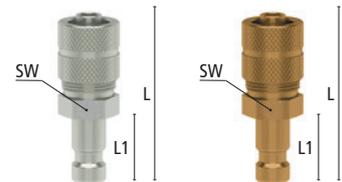
Hose connection	L	D	L1	L2	Weight	Type No. n. plated	Type No. plain
Hose i.D. 3	24	7	13	10	2	ESMCN 3 S	ESMC 3 S
Hose i.D. 4	24	7	13	10	3	ESMCN 4 S	ESMC 4 S
Hose i.D. 5	24	9	13	10	3	ESMCN 5 S	ESMC 5 S

For hose clips type ZOS (© page 130) or type HS (© page 131)



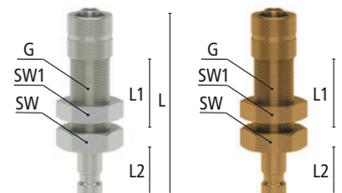
Plugs with hose squeeze nut

Hose connection	L	SW	L1	Weight	Type No. n. plated	Type No. plain
Hose 3x4	25	8	10	12	ESMCN 34 SQ	ESMC 34 SQ
Hose 3x5	25	8	10	12	ESMCN 3 SQ	ESMC 3 SQ
Hose 4x6	25	8	10	12	ESMCN 4 SQ	ESMC 4 SQ



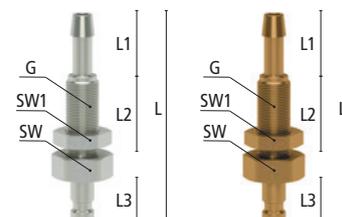
Plugs with hose squeeze nut and bulkhead screwing

Hose connect.	L	SW	L1	L2	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose 3x4	38	12	17	10	11	M 7x0.5 m	23	ESMCN 34 SQSV	ESMC 34 SQSV
Hose 3x5	38	12	17	10	11	M 7x0.5 m	23	ESMCN 35 SQSV	ESMC 35 SQSV
Hose 4x6	38	12	17	10	12	M 8x0.5 m	23	ESMCN 4 SQSV	ESMC 4 SQSV



Plugs with hose barb and bulkhead screwing

Hose connect.	L	SW	L1	L2	L3	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose i.D. 3	45	12	13	17	10	11	M 7x0.5 m	21	ESMCN 3 SSV	ESMC 3 SSV
Hose i.D. 4	45	12	13	17	10	11	M 7x0.5 m	21	ESMCN 4 SSV	ESMC 4 SSV
Hose i.D. 5	45	12	13	17	10	12	M 8x0.5 m	21	ESMCN 5 SSV	ESMC 5 SSV



NEW!

Micro Quick Connect Couplings

Series ESMC double shut-off

DN 2.7



Also in Stainless Steel
Series ESMCE
Page 288

- One-hand quick connect couplings with smallest dimensions made of brass MS 58 plain/ nickel-plated
- Double shut-off to avoid leaking media when disconnecting
- Please note: Valve construction designed for media flow from coupling to plug
- Suitable for low vacuum at low couple force compared to all other compatible products
- On request, couplings also available with coloured anodised aluminium sleeves
- Attention: Couplings can be connected with straight-through plugs DN 2.7. However, double shut-off plugs cannot be connected with standard couplings DN 2.7
- Can be used in multiple applications in pneumatics, measure, control and regulation technology

Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 plain/ nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- Seals: NBR (other materials on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	2.7	ISO 228 / DIN 13	155 l/min	One-hand	Double shut-off	Air / Others	Europe	10

Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
M 5 m	26	9	10.5	5	9	ESMCN 5 AAB	ESMC 5 AAB
G 1/8 m	28	11	10.5	7	12	ESMCN 18 AAB	ESMC 18 AAB

Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
M 5 f	26	9	10.5	5	10	ESMCN 5 IAB	ESMC 5 IAB
G 1/8 f	28	12	10.5	7	14	ESMCN 18 IAB	ESMC 18 IAB

Couplings with hose barb

Hose connection	L	D	L1	Weight	Type No. n. plated	Type No. plain
Hose i.D. 3	35	10.5	13	9	ESMCN 3 TAB	ESMC 3 TAB
Hose i.D. 4	35	10.5	13	10	ESMCN 4 TAB	ESMC 4 TAB
Hose i.D. 5	35	10.5	13	10	ESMCN 5 TAB	ESMC 5 TAB

For hose clips type ZOS (© page 130) or type HS (© page 131)

Couplings with hose squeeze nut

Hose connection	L	SW	D	Weight	Type No. n. plated	Type No. plain
Hose 3x4	33	9	10.5	15	ESMCN 34 TQAB	ESMC 34 TQAB
Hose 3x5	33	9	10.5	15	ESMCN 3 TQAB	ESMC 3 TQAB
Hose 4x6	32	9	10.5	15	ESMCN 4 TQAB	ESMC 4 TQAB

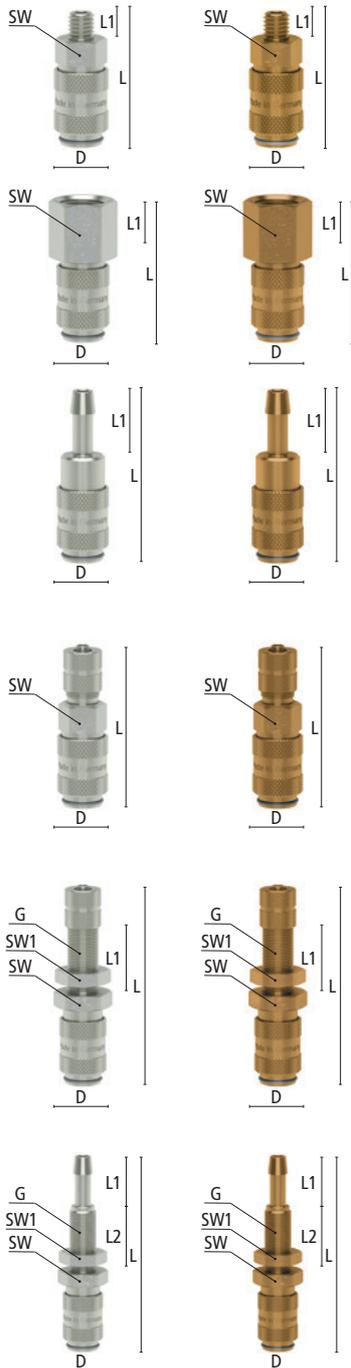
Couplings with hose squeeze nut and bulkhead screwing

Hose connect.	L	SW	D	L1	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose 3x4	45	12	10.5	17	11	M 7x0.5 m	26	ESMCN 34 TQSVAB	ESMC 34 TQSVAB
Hose 3x5	45	12	10.5	17	11	M 7x0.5 m	26	ESMCN 35 TQSVAB	ESMC 35 TQSVAB
Hose 4x6	45	12	10.5	17	12	M 8x0.5 m	26	ESMCN 4 TQSVAB	ESMC 4 TQSVAB

For hose clips type ZOS (© page 130) or type HS (© page 131)

Couplings with hose barb and bulkhead screwing

Hose connect.	L	SW	D	L1	L2	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose i.D. 3	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCN 3 TSVAB	ESMC 3 TSVAB
Hose i.D. 4	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCN 4 TSVAB	ESMC 4 TSVAB
Hose i.D. 5	51	12	10.5	13	17	12	M 8x0.5 m	24	ESMCN 5 TSVAB	ESMC 5 TSVAB

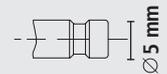


Micro Quick Connect Couplings

double shut-off **Series ESMC**

DN 2.7

Plug Profile (original size)



Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No. n. plated	Type No. plain
M 5 m	28	7	5	10	8	ESMCN 5 NAAB	ESMC 5 NAAB
G 1/8 m	30	11	7	10	10	ESMCN 18 NAAB	ESMC 18 NAAB



Plugs with female thread

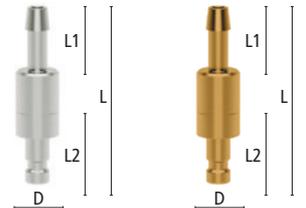
Thread connection	L	SW	L1	L2	Weight	Type No. n. plated	Type No. plain
M 5 f	27	7	5	10	8	ESMCN 5 NIAB	ESMC 5 NIAB
G 1/8 f	29	12	7	10	10	ESMCN 18 NIAB	ESMC 18 NIAB



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No. n. plated	Type No. plain
Hose i.D. 3	37	9	13	10	6	ESMCN 3 SAB	ESMC 3 SAB
Hose i.D. 4	37	9	13	10	7	ESMCN 4 SAB	ESMC 4 SAB
Hose i.D. 5	37	9	13	10	7	ESMCN 5 SAB	ESMC 5 SAB

For hose clips type ZOS (© page 130) or type HS (© page 131)



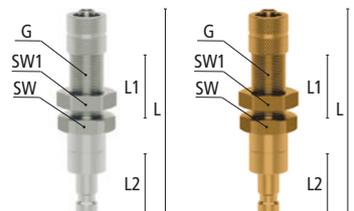
Plugs with hose squeeze nut

Hose connection	L	SW	L1	Weight	Type No. n. plated	Type No. plain
Hose 3x4	34	9	10	10	ESMCN 34 SQAB	ESMC 34 SQAB
Hose 3x5	34	9	10	10	ESMCN 3 SQAB	ESMC 3 SQAB
Hose 4x6	34	9	10	10	ESMCN 4 SQAB	ESMC 4 SQAB



Plugs with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	L1	L2	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose 3x4	47	12	17	10	11	M 7x0.5 m	17	ESMCN 34 SQSVAB	ESMC 34 SQSVAB
Hose 3x5	47	12	17	10	11	M 7x0.5 m	17	ESMCN 35 SQSVAB	ESMC 35 SQSVAB
Hose 4x6	47	12	17	10	12	M 8x0.5 m	17	ESMCN 4 SQSVAB	ESMC 4 SQSVAB



Plugs with hose barb and bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose i.D. 3	53	12	13	17	10	11	M 7x0.5 m	16	ESMCN 3 SSVAB	ESMC 3 SSVAB
Hose i.D. 4	53	12	13	17	10	11	M 7x0.5 m	16	ESMCN 4 SSVAB	ESMC 4 SSVAB
Hose i.D. 5	53	12	13	17	10	12	M 8x0.5 m	16	ESMCN 5 SSVAB	ESMC 5 SSVAB



Micro Quick Connect Couplings

Series ESMC straight-through

DN 2.7



Also in Stainless Steel
Series ESMCE
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- One-hand quick connect couplings with smallest dimensions made of brass MS 58 plain/ nickel-plated
- Straight-through passage for optimised flow capacity, particularly for water/ liquid applications
- Please connect with plug series ESMC DN 2.7 with straight-through passage (page 33)
- Suitable for low vacuum at low couple force compared to all other compatible products
- On request, couplings also available with coloured anodised aluminium sleeves
- Can be used in multiple applications in pneumatics, measure, control and regulation technology

Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 plain/ nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- Seals: NBR (other materials on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of Valve	Media	Area	
PN 35 bar	-20°C – +100°C	2.7	ISO 228 / DIN 13	170 l/min	One-hand	Straight-through	Air / Others	Europe	10

Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
M 5 m	26	9	10.5	5	9	ESMCN 5 AO	ESMC 5 AO
G 1/8 m	28	11	10.5	7	12	ESMCN 18 AO	ESMC 18 AO

Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
M 5 f	26	9	10.5	5	10	ESMCN 5 IO	ESMC 5 IO
G 1/8 f	28	12	10.5	7	14	ESMCN 18 IO	ESMC 18 IO

Couplings with hose barb

Hose connection	L	D	L1	Weight	Type No. n. plated	Type No. plain
Hose i.D. 3	35	10.5	13	9	ESMCN 3 TO	ESMC 3 TO
Hose i.D. 4	35	10.5	13	10	ESMCN 4 TO	ESMC 4 TO
Hose i.D. 5	35	10.5	13	10	ESMCN 5 TO	ESMC 5 TO

For hose clips type ZOS (© page 130) or type HS (© page 131)

Couplings with hose squeeze nut

Hose connection	L	SW	D	Weight	Type No. n. plated	Type No. plain
Hose 3x4	33	9	10.5	15	ESMCN 34 TQO	ESMC 34 TQO
Hose 3x5	33	9	10.5	15	ESMCN 3 TQO	ESMC 3 TQO
Hose 4x6	32	9	10.5	15	ESMCN 4 TQO	ESMC 4 TQO

Couplings with hose squeeze nut and bulkhead screwing

Hose connect.	L	SW	D	L1	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose 3x4	45	12	10.5	17	11	M 7x0.5 m	26	ESMCN 34 TQSVO	ESMC 34 TQSVO
Hose 3x5	45	12	10.5	17	11	M 7x0.5 m	26	ESMCN 35 TQSVO	ESMC 35 TQSVO
Hose 4x6	45	12	10.5	17	12	M 8x0.5 m	26	ESMCN 4 TQSVO	ESMC 4 TQSVO

For hose clips type ZOS (© page 130) or type HS (© page 131)

Couplings with hose barb and bulkhead screwing

Hose connect.	L	SW	D	L1	L2	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose i.D. 3	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCN 3 TSVO	ESMC 3 TSVO
Hose i.D. 4	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCN 4 TSVO	ESMC 4 TSVO
Hose i.D. 5	51	12	10.5	13	17	12	M 8x0.5 m	24	ESMCN 5 TSVO	ESMC 5 TSVO

